duoglyde™

SELF BALANCING DRIFTER

USER MANUAL

SMART gizmos

NOTE:

We recommend that you read this manual fully before attempting to use this product.

We also recommend that appropriate safety clothing is worn.

We cannot be held responsible for injuries or damages to the product when used incorrectly, or not in accordance with the manual.

The **duoGlyde** self balancing drifter is not intended for use on public roads, walkways, or in public areas.

Please use your **duoGlyde** drifter on private property only and always ask the property owner's permission.

You should protect yourself against possible injury by wearing an approved helmet, suitable clothing plus knee and arm pads.

You must ride your **duoGlyde** drifter in a manner that is safe for yourself and others around you.

INTRODUCTION:

The **duoGlyde** drifter is a self-balancing high-tech mobile device that uses an attitude controlled gyroscopic system in conjunction with accelerometers in order to assist the rider to remain balanced whilst in motion. Movement forward or back is controlled by tilting your feet slightly up or down.

PRECAUTIONS:

- Do not use in public places.
- Not for use on gravel or dirt paths.
- Do not use on slippery surfaces, especially on snow or ice.
- Do not ride down slopes with more than a 15 degree incline.
- Not recommended for children under the age of 12.
- Not recommended for use in cold weather or winter conditions.
- Weight restrictions: Minimum load 20kg and Maximum load 100kg.
- Please ensure suitable footwear is worn.
- The **duoGlyde** can be used in very light rain but do not allow it to get wet & do not immerse it in water.

USING YOUR DUOGLYDE:

The first time you attempt to ride your **duoGlyde**, we recommend that you have someone hold you firmly for support.

Press the power button and ensure that both foot pads are parallel and level with the ground.

The indicator light will turn on and the **duoGlyde** will enter the self balancing mode.

Next, place one foot on the left or right foot pad (Ensuring that the pad remains parallel) and follow quickly with the other foot onto the other foot pad.

NOTE: If the foot pad is not completely parallel, the **duoGlyde** will start to move either forward or backward.

The **duoGlyde** has a self-balancing gyroscopic system that will allow you to stand in one spot with little effort. First time users tend to overcompensate the balance which causes the gyroscopic system to overcompensate in return and become unstable and shake around.

Try to keep your body steady and let the **duoGlyde** do the balancing.

NOTE: If the **duoGlyde** is not in a level state, the indicator light will flash and the **duoGlyde** will lose its self balancing ability.

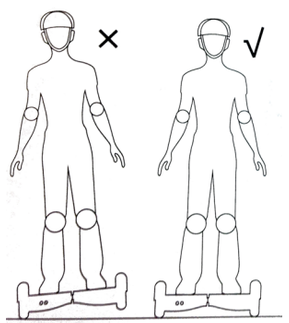
We recommend that once you have mastered getting on (With the assistance of another person firmly holding you) that you stand for a while to familiarise yourself with the **duoGlyde** self balancing action.

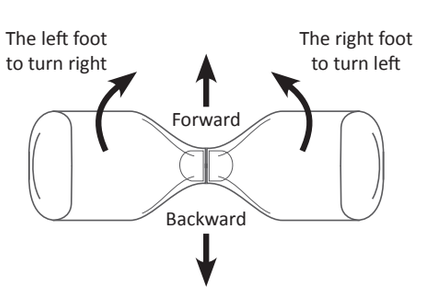
Now gently tilt both feet down to start moving forward and then tilt your feet back up to move backward and practice this for a while until you have gained confidence.

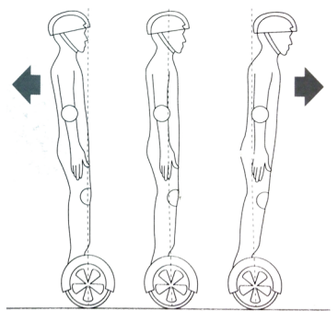
One foot tilted down and one foot tilted up will make the **duoGlyde** turn in a circle.

To get off, ensure that the **duoGlyde** is stationery with the foot pads level and remove one foot followed quickly by the other.

PLEASE UNDERTAKE THE ABOVE ACTIONS SLOWLY & CAREFULLY WITH THE ASSISTANCE OF ANOTHER PERSON HOLDING YOU UNTIL YOU HAVE MASTERED THE FEELING OF USING THE DUOGLYDE







DISTANCE YOU CAN TRAVEL:

The distance you can travel on your **duoGlyde** is dependent on many factors such as:-

- **Terrain**: Smooth flat terrain will gain the most distance as the battery is not draining as hard as it would on sloping or uneven surfaces.
- **Weight**: The weight of the rider will affect distance travelled as the heavier the weight the more battery power is used.
- **Environment temperature:** Extreme hot or cold temperatures will affect the performance of the battery.
- **Speed and driving style:** Keeping to a medium speed will gain the most distance, while frequent starting and stopping plus fast acceleration and deceleration will reduce the distance.
- **Maintenance:** Improper charging and maintenance of the battery will reduce its ability to perform as intended and reduce the distance that the **duoGlyde** will travel.

SPEED:

The **duoGlyde** can be set for two speeds, one for beginners and one for more advanced riders, with the maximum speed being 10km per hour.

Pressing the start button once enters the maximum speed or pressing twice consecutively within 1 second enters the slowest speed for beginners.

If the **duoGlyde** should go over the maximum allowable speed, a buzzer will sound to inform you to slow down.

PROTECTION FUNCTION

The **duoGlyde** has certain built in warning functions to inform the rider of system errors or irregularities.

Under some of the following conditions, the **duoGlyde** could stop functioning, the alarm could sound, the alarm light could turn on or the **duoGlyde** could cease its self balance mode:

- If the foot platforms are operated forward or backward more than 15 degrees.
- Speed goes over 10km per hour.
- Rocking back and forth for more than 30 seconds.
- High battery discharge such as riding on a slope for an extended period of time.

BATTERY WARNINGS

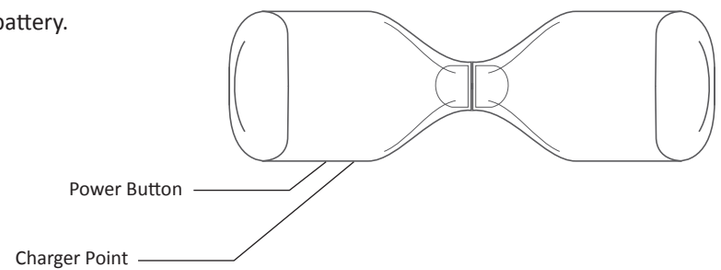
- If the battery power is lower than 20% the power indicator light will turn red.

  Do not continue riding for long as the **duoGlyde** could become unstable and the service life of the battery may be reduced.

- If the battery power is lower than 10% the alarm will sound. Charge required.

CHARGING THE BATTERY:

- Ensure that the charging port is dry.
- Insert one end of the charger into the AC mains, turn on and ensure that the chargers green indicator light is on.
- Insert the other end of the charger into the **duoGlyde**'s charging port.
- If the **duoGlyde** needs charging, the light on the charger will appear red and the battery will commence charging.
- When the indicator light on the charger turns green, please stop charging, as further charging will reduce the service life of the battery. The normal charging time for a low battery is approximately 2 hours.
- The charger is for indoor use only.
- When not in use for an extended period of time it is recommended that the battery be charged every two months.
- Do not open or remove the battery.



ITEM	PARAMETER
The battery type	Lithium battery
Charging time	2 - 3 hours
Voltage	36V
Initial capacity	2 - 4 AH
Working temperature	15 - 50ºC
Charging temperature	0 - 40ºC
Storage time(-20ºC and 25ºC)	12 months
Stored relative humidity	5% - 95%

WARRANTY:

Please keep the warranty and proof of purchase along with the original packaging for returns.

LIMITED WARRANTY:

The product has a one year warranty if damage is not caused by misuse. This excludes the battery and other consumables.

The battery is covered under warranty for six months.

The tyres are considered to be consumables and have one months' warranty.

The warranty will not be valid if the product malfunctions due to misuse, modifications, accidental damage, unsuitable storage, and surface damage or water damage.

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